

FIG. 1 - Prior Art

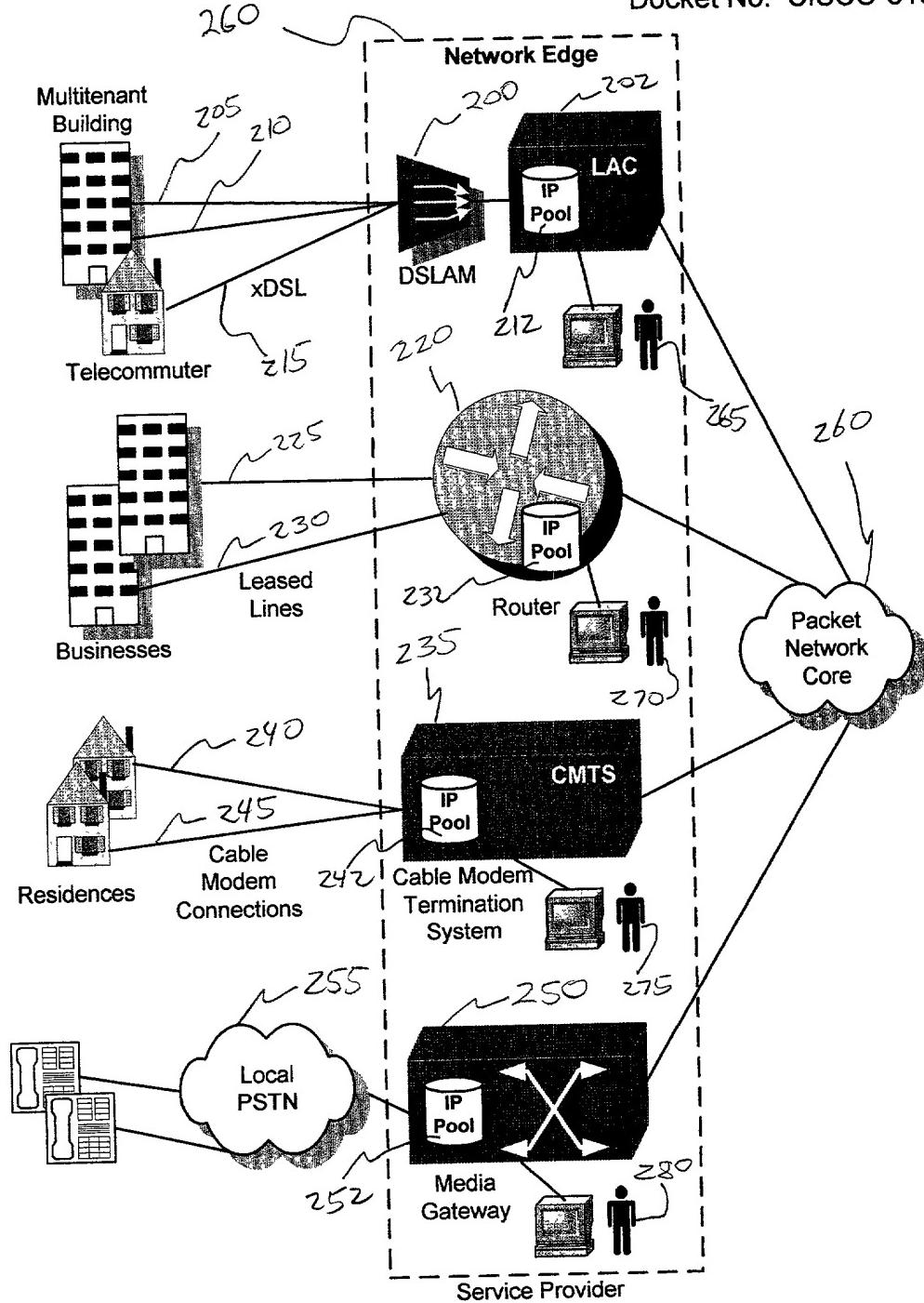


FIG. 2 - Prior Art

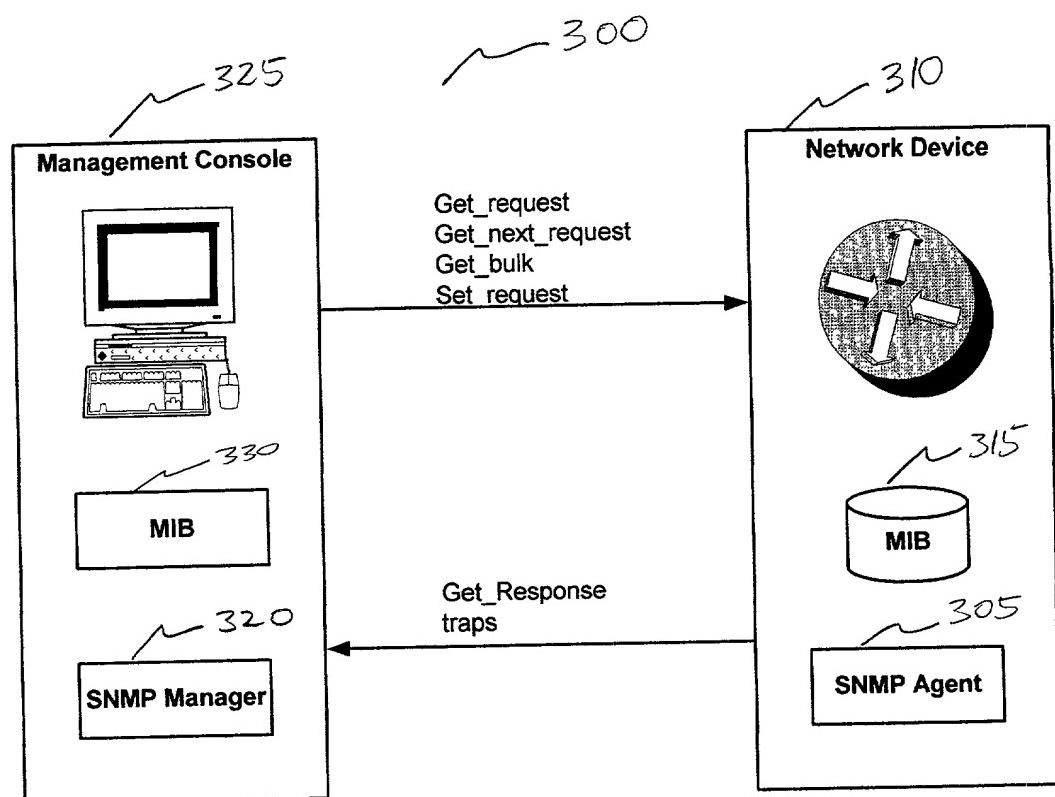


FIG. 3

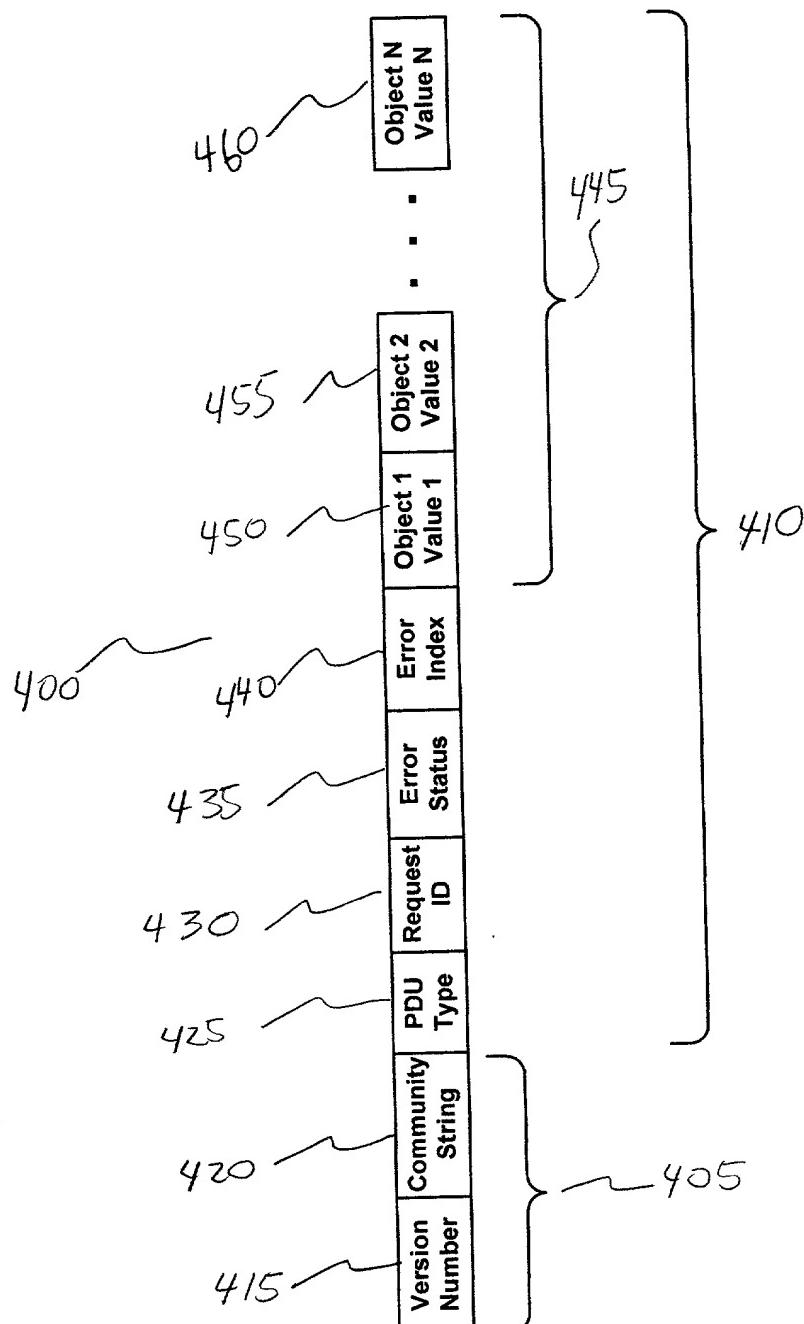


FIG. 4

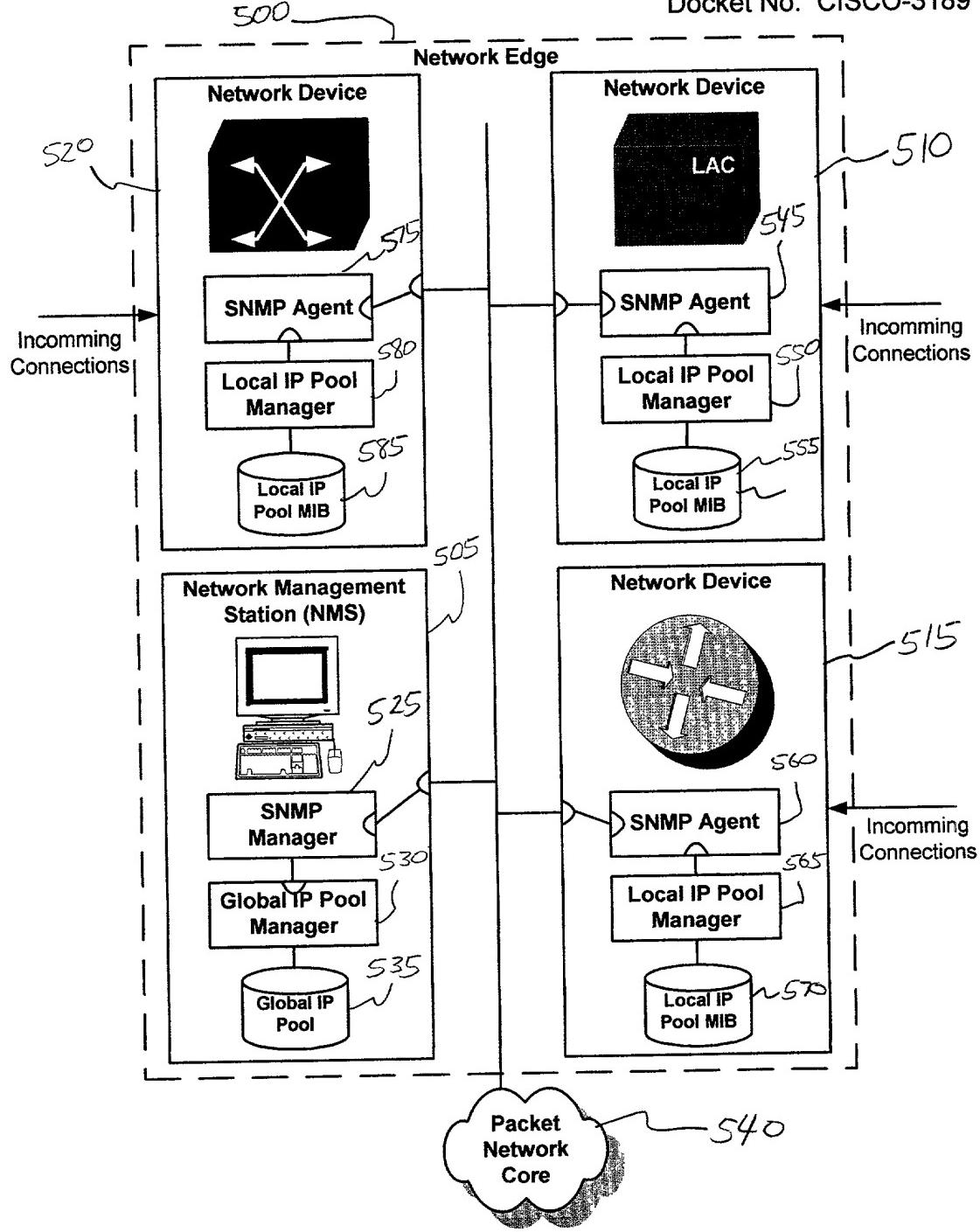


FIG. 5

Diagram illustrating a memory structure with a base address of 1.2.3.4. The structure contains the following fields:

Base Address=1.2.3.4	600
Number Allocated=70	605
Number In Use=50	610
Low Watermark=20	615
High Watermark=55	620

Handwritten annotations show connections from the field names to their corresponding values: Base Address connects to 625, Number Allocated connects to 600, Number In Use connects to 605, Low Watermark connects to 610, and High Watermark connects to 615.

FIG. 6A

Diagram illustrating a memory structure with a base address of 1.2.3.4. The structure contains the following fields:

Base Address=1.2.3.4	640
Number Allocated=70	630
Number In Use=55	645
Low Watermark=20	635
High Watermark=70	

FIG. 6B

Diagram illustrating a memory structure with a base address of 1.2.3.4. The structure contains the following fields:

Base Address=1.2.3.4	660
Number Allocated=70	655
Number In Use=5	665
Low Watermark=0	670
High Watermark=10	675

FIG. 6C

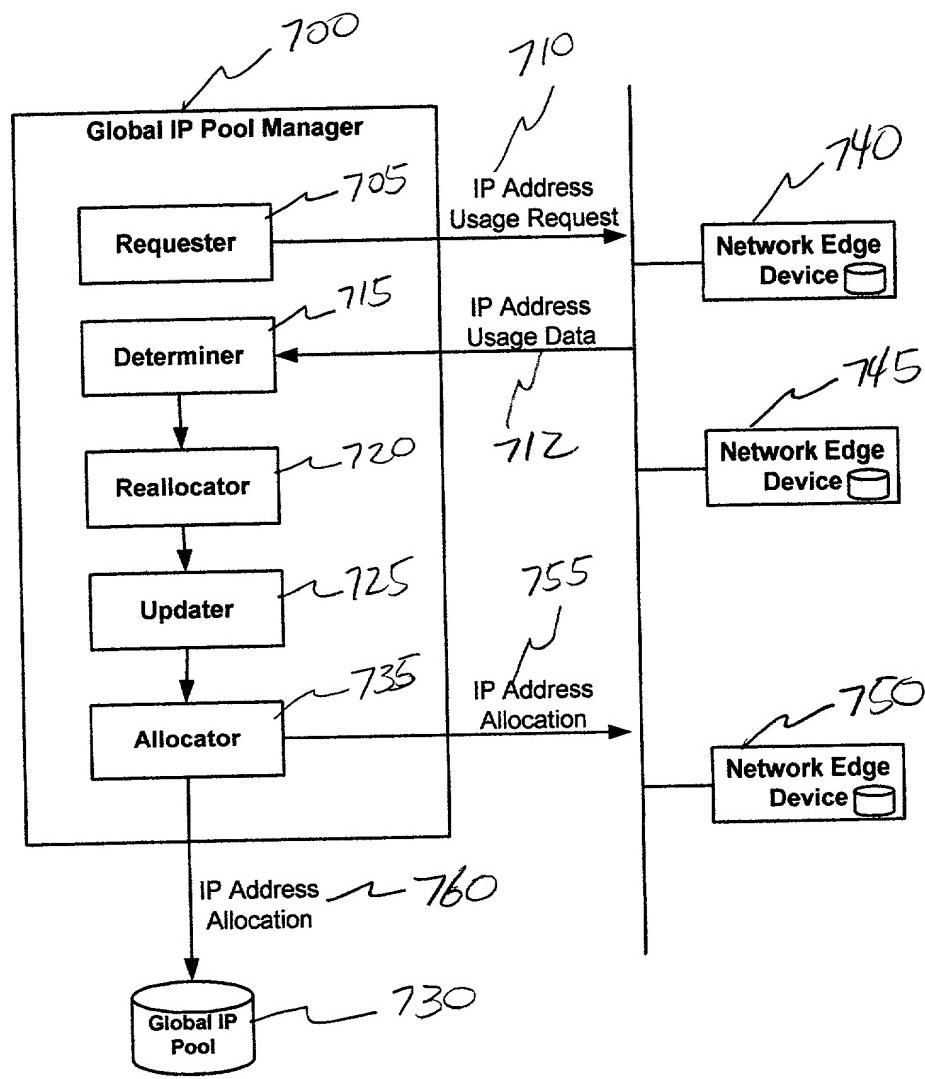


FIG. 7

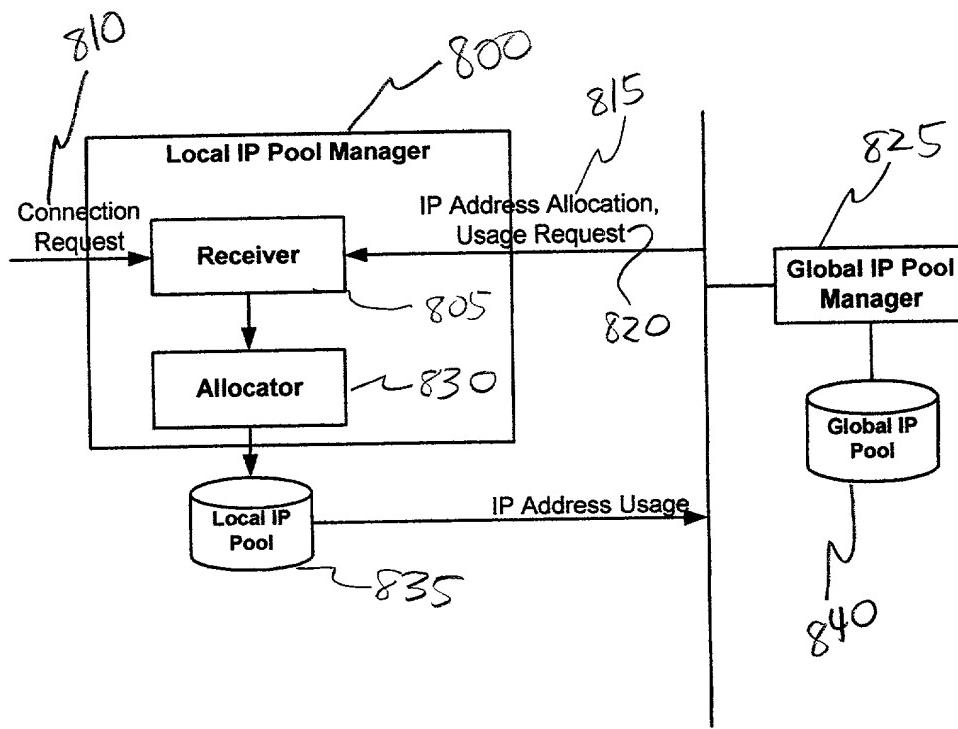


FIG. 8

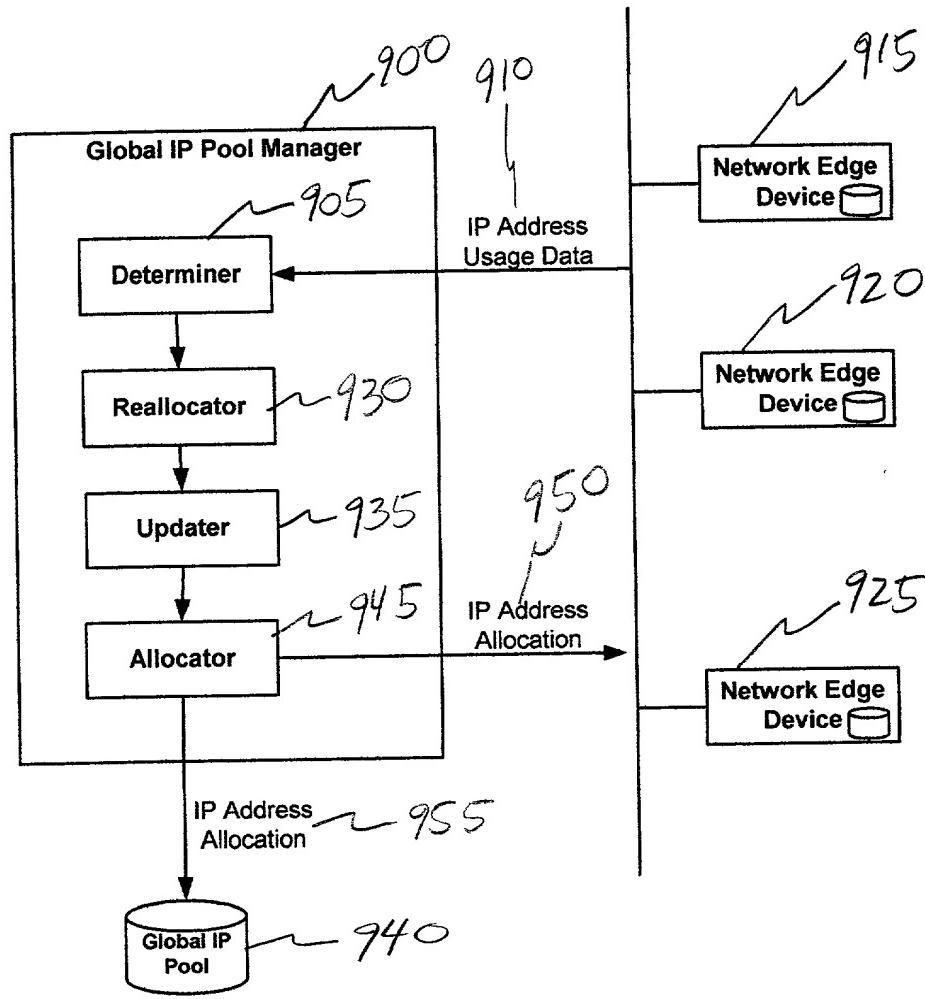


FIG. 9

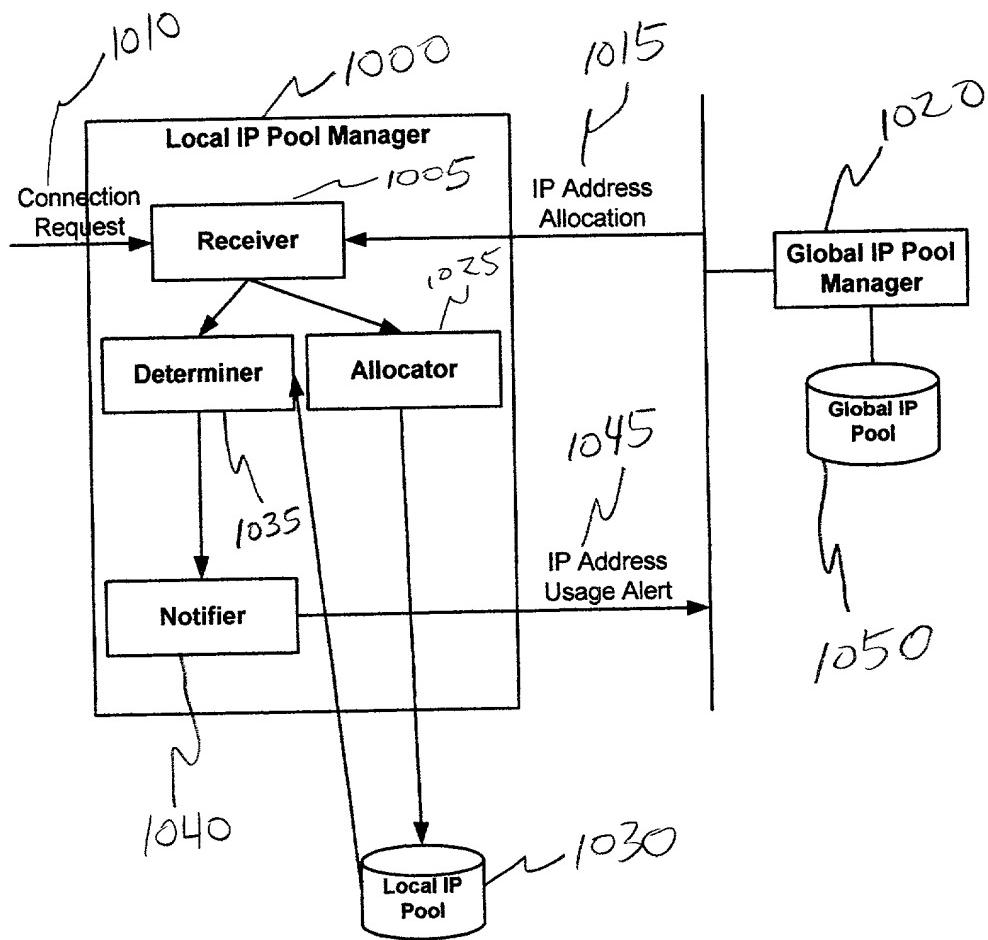


FIG. 10

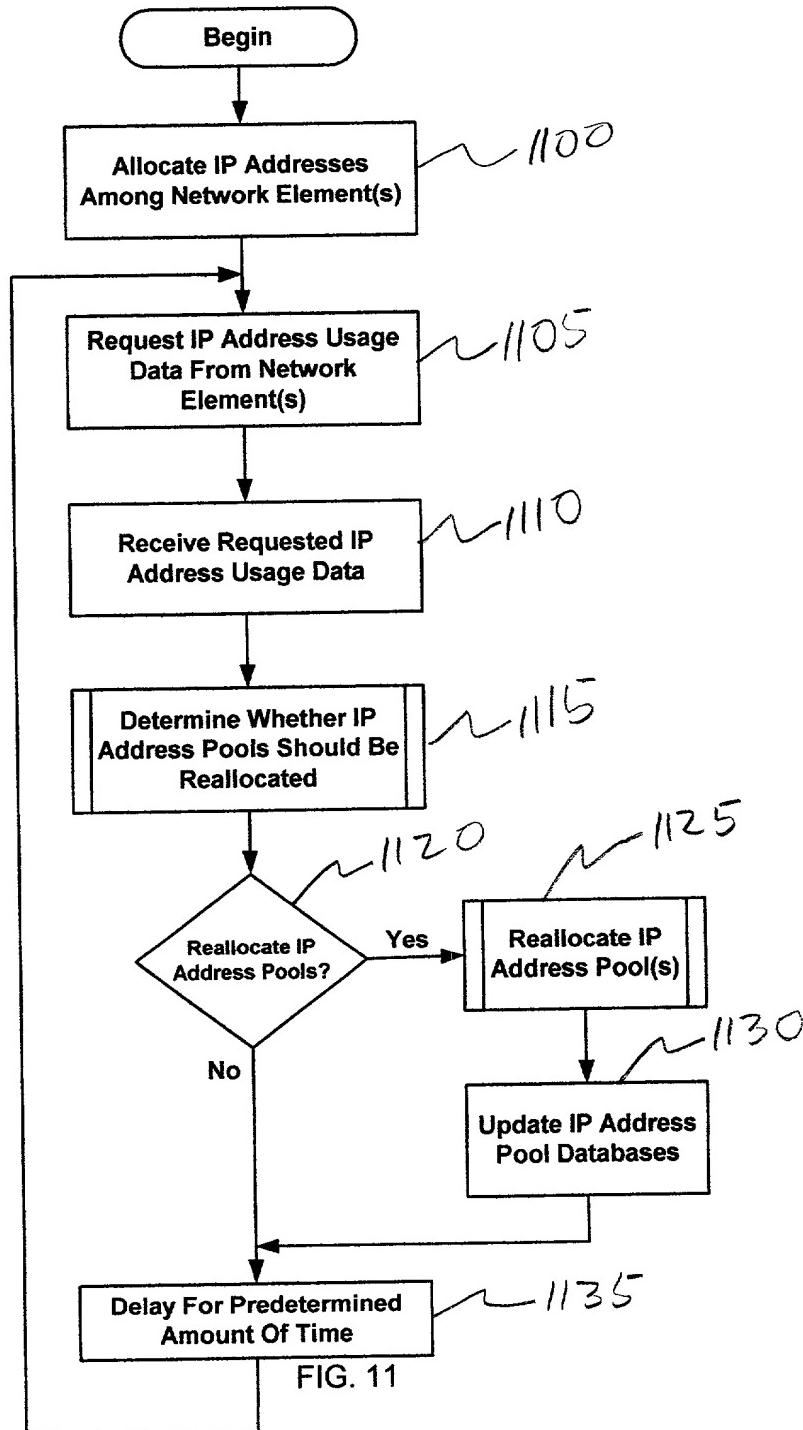


FIG. 11

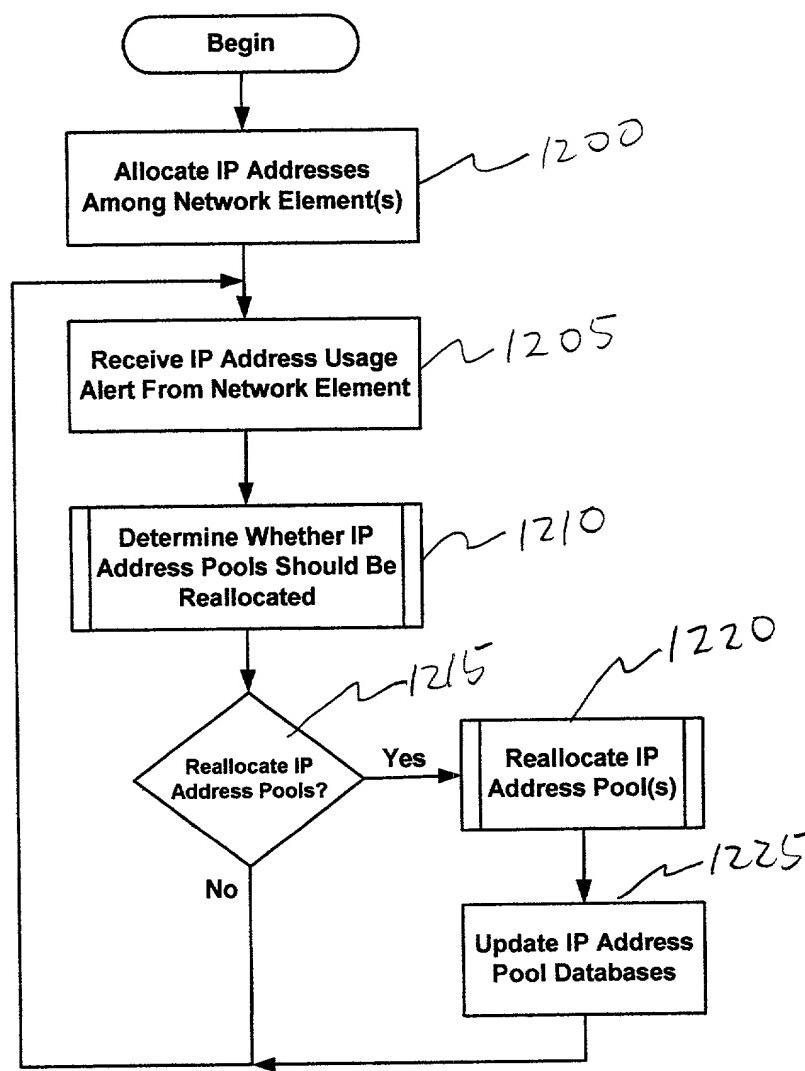


FIG. 12

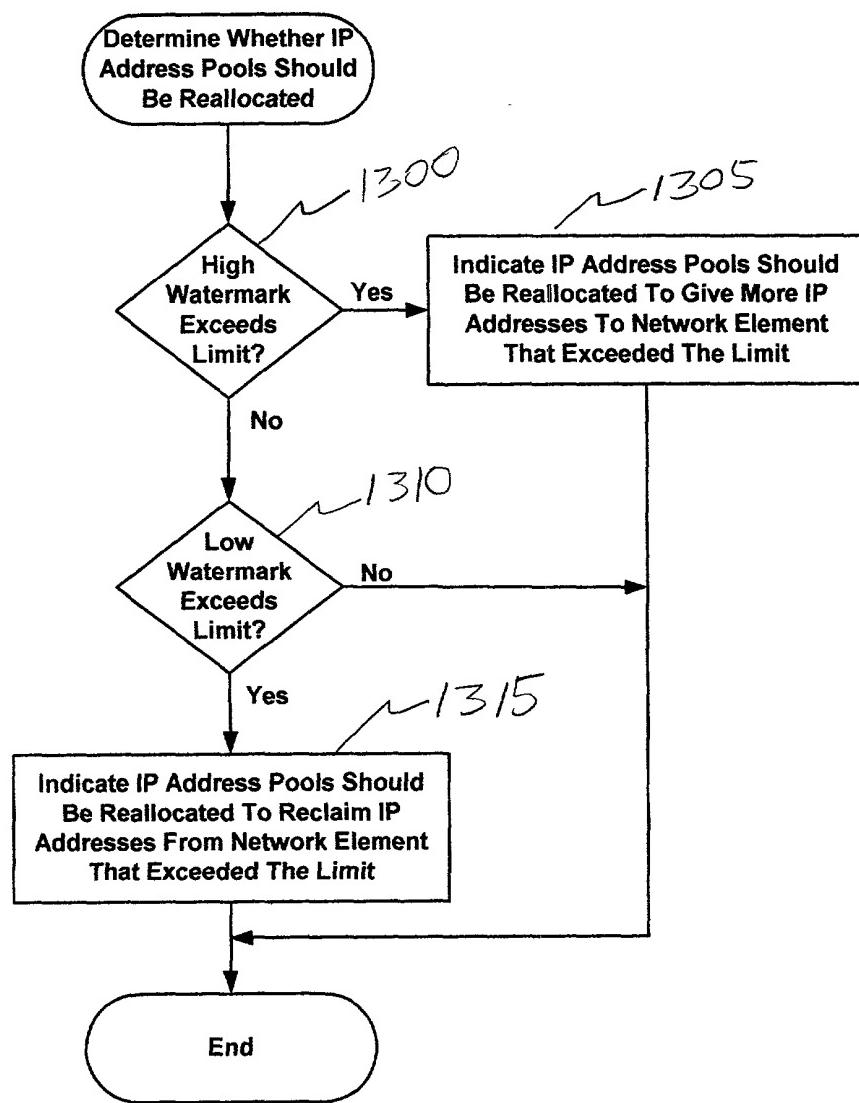


FIG. 13

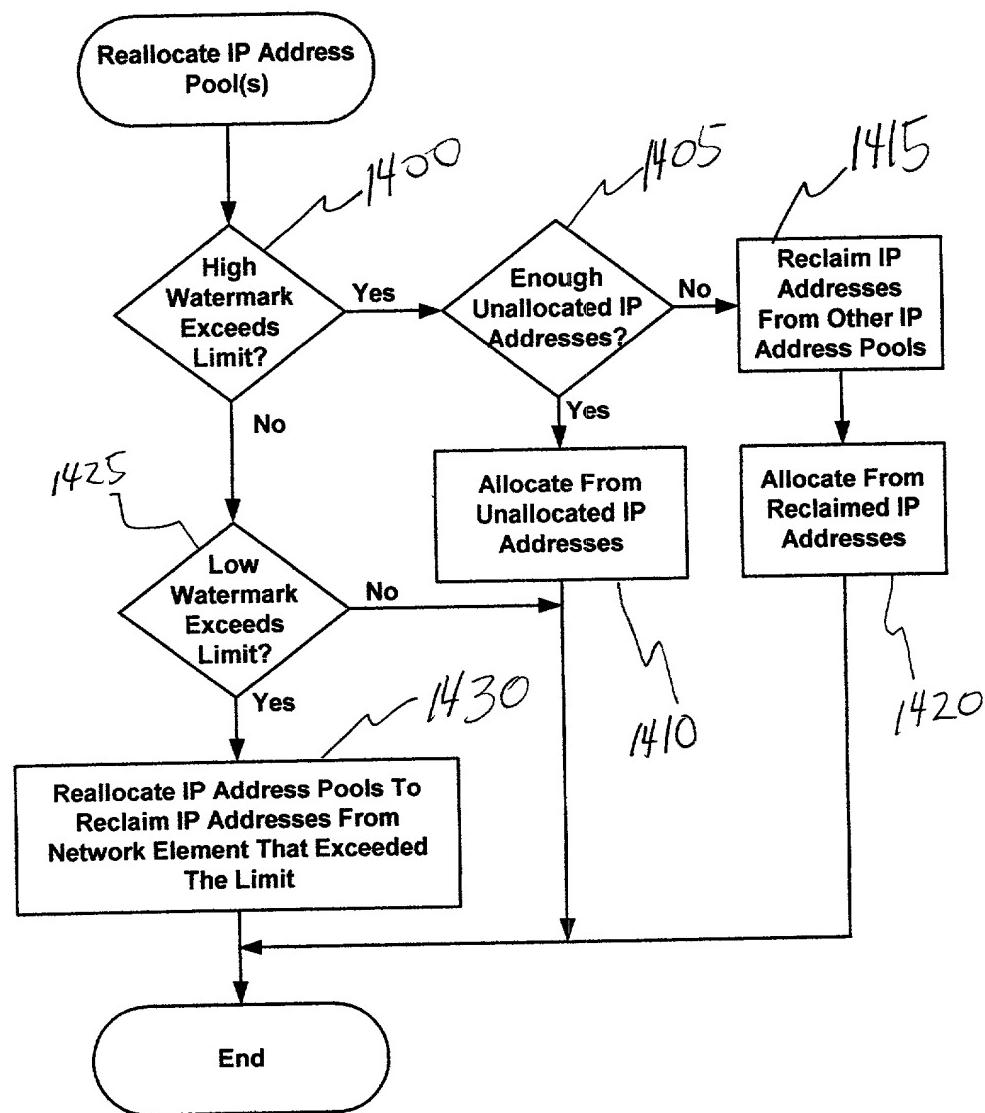


FIG. 14

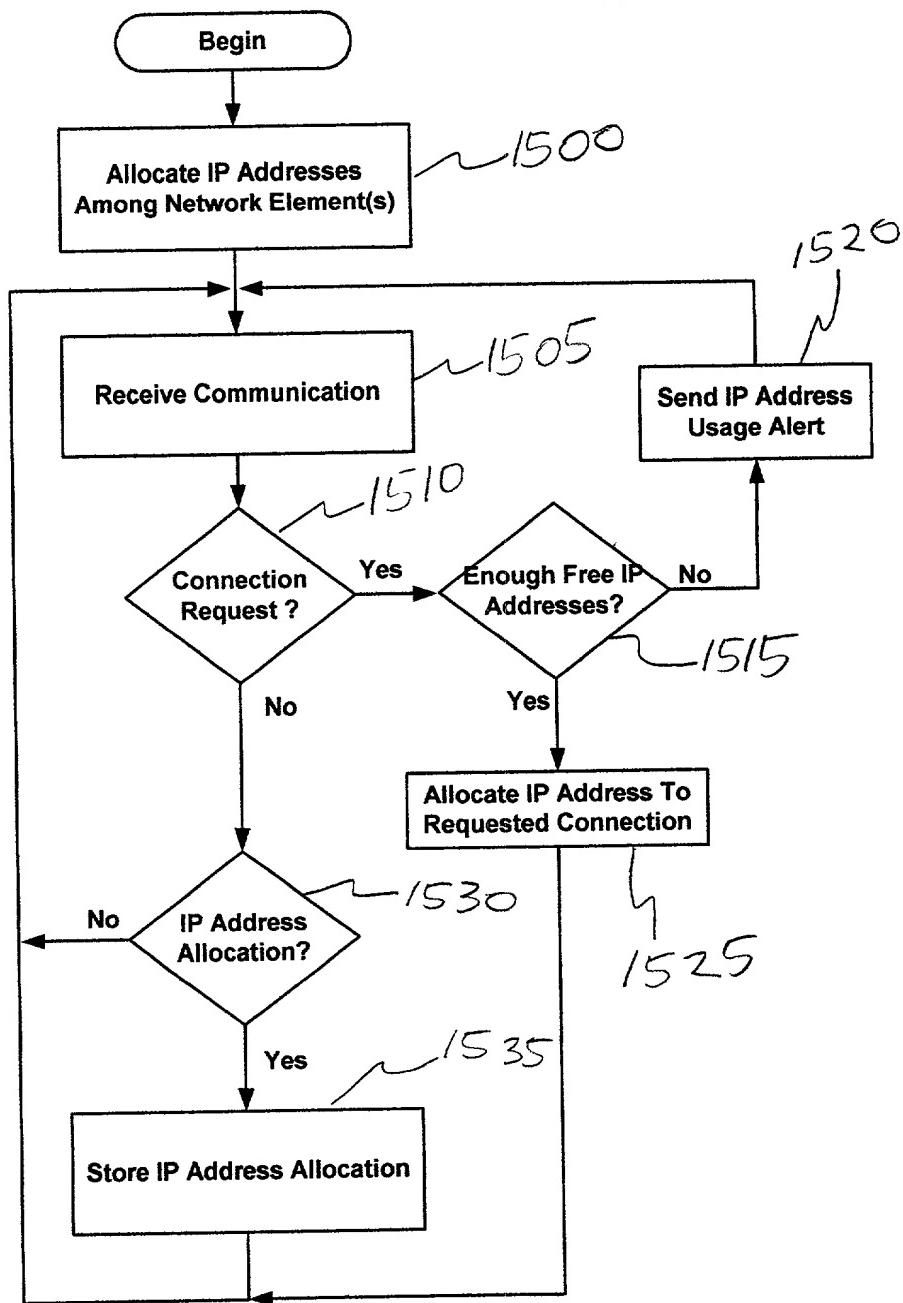


FIG. 15